

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/327,522DATE: 03/17/95
TIME: 13:02:48

INPUT SET: S2825.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: LOCKHART, David J.
CHEE, Mark S.

ENTERED

(ii) TITLE OF INVENTION: SEQUENCING BY HYBRIDIZATION ON HIGH
DENSITY PROBE ARRAYS: ENZYMATIC DISCRIMINATION ENHANCEMENT

(iii) NUMBER OF SEQUENCES: 13

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Townsend and Townsend Khourie and Crew

(B) STREET: Steuart Street Tower, One Market Plaza

(C) CITY: San Francisco

(D) STATE: California

(E) COUNTRY: US

(F) ZIP: 94105-1493

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk

(B) COMPUTER: IBM PC compatible

(C) OPERATING SYSTEM: PC-DOS/MS-DOS

(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/327,522

(B) FILING DATE: 21-OCT-1994

(C) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Garrett-Wackowski, Eugenia

(B) REGISTRATION NUMBER: 37,330

(C) REFERENCE/DOCKET NUMBER: 16528X-008600

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (415) 543-9600

(B) TELEFAX: (415) 543-5043

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 12 base pairs

(B) TYPE: nucleic acid

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/327,522DATE: 03/17/95
TIME: 13:02:51

INPUT SET: S2825.raw

47 (C) STRANDEDNESS: single
48 (D) TOPOLOGY: linear
49
50 (ii) MOLECULE TYPE: DNA
51
52 (iii) HYPOTHETICAL: NO
53
54
55
56 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
57
58 TCGGATCGAC TT 12
59
60 (2) INFORMATION FOR SEQ ID NO:2:
61
62 (i) SEQUENCE CHARACTERISTICS:
63 (A) LENGTH: 12 base pairs
64 (B) TYPE: nucleic acid
65 (C) STRANDEDNESS: single
66 (D) TOPOLOGY: linear
67
68 (ii) MOLECULE TYPE: DNA
69
70 (iii) HYPOTHETICAL: NO
71
72
73 (ix) FEATURE:
74 (A) NAME/KEY: misc_feature
75 (B) LOCATION: 1
76 (D) OTHER INFORMATION: /note= "Base is linked to a
77 polyethyleneglycol (PEG) spacer."
78
79
80 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
81
82 AACGCGCCGC NC 12
83
84 (2) INFORMATION FOR SEQ ID NO:3:
85
86 (i) SEQUENCE CHARACTERISTICS:
87 (A) LENGTH: 20 base pairs
88 (B) TYPE: nucleic acid
89 (C) STRANDEDNESS: single
90 (D) TOPOLOGY: linear
91
92 (ii) MOLECULE TYPE: DNA
93
94 (iii) HYPOTHETICAL: NO
95
96
97 (ix) FEATURE:
98 (A) NAME/KEY: misc_feature
99 (B) LOCATION: 20

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/327,522DATE: 03/17/95
TIME: 13:02:55

INPUT SET: S2825.raw

100 (D) OTHER INFORMATION: /note= "Base is covalently attached
101 at the 5' end to a fluorescein molecule."
102
103
104 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
105
106 CGCAACGCAA GCGCGGCGCG 20
107
108 (2) INFORMATION FOR SEQ ID NO:4:
109
110 (i) SEQUENCE CHARACTERISTICS:
111 (A) LENGTH: 12 base pairs
112 (B) TYPE: nucleic acid
113 (C) STRANDEDNESS: single
114 (D) TOPOLOGY: linear
115
116 (ii) MOLECULE TYPE: DNA
117
118 (iii) HYPOTHETICAL: NO
119
120
121 (ix) FEATURE:
122 (A) NAME/KEY: misc_feature
123 (B) LOCATION: 1
124 (D) OTHER INFORMATION: /note= "Base in linked to
125 polyethyleneglycol (PEG) spacer."
126
127 (ix) FEATURE:
128 (A) NAME/KEY: misc_feature
129 (B) LOCATION: 1..12
130 (D) OTHER INFORMATION: /standard_name= "Denoted CG"
131
132
133 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
134
135 AACGCGCATT CN 12
136
137 (2) INFORMATION FOR SEQ ID NO:5:
138
139 (i) SEQUENCE CHARACTERISTICS:
140 (A) LENGTH: 12 base pairs
141 (B) TYPE: nucleic acid
142 (C) STRANDEDNESS: single
143 (D) TOPOLOGY: linear
144
145 (ii) MOLECULE TYPE: DNA
146
147 (iii) HYPOTHETICAL: NO
148
149
150 (ix) FEATURE:
151 (A) NAME/KEY: misc_feature
152 (B) LOCATION: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/327,522DATE: 03/17/95
TIME: 13:02:58

INPUT SET: S2825.raw

153 (D) OTHER INFORMATION: /note= "Base is linked to
154 polyethyleneglycol spacer."
155
156 (ix) FEATURE:
157 (A) NAME/KEY: misc_feature
158 (B) LOCATION: 1..12
159 (D) OTHER INFORMATION: /standard_name= "Denoted AT"
160
161
162 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
163
164 AAATATAATT CN 12
165
166 (2) INFORMATION FOR SEQ ID NO:6:
167
168 (i) SEQUENCE CHARACTERISTICS:
169 (A) LENGTH: 22 base pairs
170 (B) TYPE: nucleic acid
171 (C) STRANDEDNESS: single
172 (D) TOPOLOGY: linear
173
174 (ii) MOLECULE TYPE: DNA
175
176 (iii) HYPOTHETICAL: NO
177
178
179 (ix) FEATURE:
180 (A) NAME/KEY: misc_feature
181 (B) LOCATION: 22
182 (D) OTHER INFORMATION: /note= "Base is covalently linked
183 to fluorescein molecule."
184
185 (ix) FEATURE:
186 (A) NAME/KEY: misc_feature
187 (B) LOCATION: 1..22
188 (D) OTHER INFORMATION: /standard_name= "Denoted OH1"
189
190
191 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
192
193 GATGCAGCTT CCGGAATGCG CG 22
194
195 (2) INFORMATION FOR SEQ ID NO:7:
196
197 (i) SEQUENCE CHARACTERISTICS:
198 (A) LENGTH: 22 base pairs
199 (B) TYPE: nucleic acid
200 (C) STRANDEDNESS: single
201 (D) TOPOLOGY: linear
202
203 (ii) MOLECULE TYPE: DNA
204
205 (iii) HYPOTHETICAL: NO

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/327,522DATE: 03/17/95
TIME: 13:03:01

INPUT SET: S2825.raw

206
207
208 (ix) FEATURE:
209 (A) NAME/KEY: misc_feature
210 (B) LOCATION: 22
211 (D) OTHER INFORMATION: /note= "Base is covalently linked
212 to fluorescein."
213
214 (ix) FEATURE:
215 (A) NAME/KEY: misc_feature
216 (B) LOCATION: 1..22
217 (D) OTHER INFORMATION: /standard_name= "Denoted OH2"
218
219
220 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
221
222 GATGCAGCTT CCGGAATTAT AT 22
223
224 (2) INFORMATION FOR SEQ ID NO:8:
225
226 (i) SEQUENCE CHARACTERISTICS:
227 (A) LENGTH: 10 base pairs
228 (B) TYPE: nucleic acid
229 (C) STRANDEDNESS: single
230 (D) TOPOLOGY: linear
231
232 (ii) MOLECULE TYPE: DNA
233
234 (iii) HYPOTHETICAL: NO
235
236
237 (ix) FEATURE:
238 (A) NAME/KEY: misc_feature
239 (B) LOCATION: 1
240 (D) OTHER INFORMATION: /note= "Base is linked to
241 polyethyleneglycol spacer."
242
243
244 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
245
246 CGCGNNNNNN 10
247
248 (2) INFORMATION FOR SEQ ID NO:9:
249
250 (i) SEQUENCE CHARACTERISTICS:
251 (A) LENGTH: 10 base pairs
252 (B) TYPE: nucleic acid
253 (C) STRANDEDNESS: single
254 (D) TOPOLOGY: linear
255
256 (ii) MOLECULE TYPE: DNA
257
258 (iii) HYPOTHETICAL: NO